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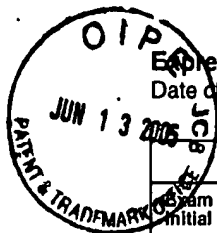
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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/055,569
	Filing Date	10/26/2001
	First Named Inventor	Gangolli, et al.
	Group Art Unit	1646
	Examiner Name	Pak, Michael D
	Attorney Docket Number	Cura 491 (21402-191)

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
MPP	C1	Agnello, V., G. Abel, et al. (1999). "Hepatitis C virus and other flaviviridae viruses enter cells via low density lipoprotein receptor." Proc Natl Acad Sci U S A 96(22): 12766-71.
↑	C2	Begum, N., L. Ragolia, et al. (1996). "Effect of tumor necrosis factor-alpha on insulin-stimulated mitogen- activated protein kinase cascade in cultured rat skeletal muscle cells." Eur J Biochem 238(1): 214-20.
	C3	Berg, J. M. (1990). "Zinc finger domains: hypotheses and current knowledge." Annu Rev Biophys Biophys Chem 19: 405-21.
	C4	Brose, N., A. G. Petrenko, et al. (1992). "Synaptotagmin: a calcium sensor on the synaptic vesicle surface." Science 256(5059): 1021-5.
	C5	Brown, M. S. and J. L. Goldstein (1974). "Familial hypercholesterolemia: defective binding of lipoproteins to cultured fibroblasts associated with impaired regulation of 3-hydroxy-3- methylglutaryl coenzyme A reductase activity." Proc Natl Acad Sci U S A 71(3): 788-92.
	C6	Bulleit, R. F. and T. Hsieh (2000). "MEK inhibitors block BDNF-dependent and -independent expression of GABA(A) receptor subunit mRNAs in cultured mouse cerebellar granule neurons." Brain Res Dev Brain Res 119(1): 1-10.
	C7	Caramelli, P., R. Nitrini, et al. (1999). "Increased apolipoprotein B serum concentration in Alzheimer's disease." Acta Neurol Scand 100(1): 61-3.
	C8	Carpintero, P., R. Anadon, et al. (1999). "Expression of the thymosin beta10 gene in normal and kainic acid- treated rat forebrain." Brain Res Mol Brain Res 70(1): 141-6.
	C9	Chan, S. L. and M. P. Mattson (1999). "Caspase and calpain substrates: roles in synaptic plasticity and cell death." J Neurosci Res 58(1): 167-90.
↓	C10	Chen, H., S. Fre, et al. (1998). "Epsin is an EH-domain-binding protein implicated in clathrin-mediated endocytosis." Nature 394(6695): 793-7.
MPP	C11	Chen, H., V. I. Slepnev, et al. (1999). "The interaction of epsin and Eps15 with the clathrin adaptor AP-2 is inhibited by mitotic phosphorylation and enhanced by stimulation- dependent dephosphorylation in nerve terminals." J Biol Chem 274(6): 3257-60.



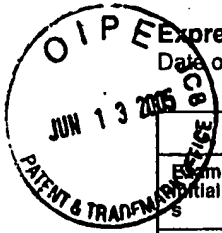
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KDP	C12	Chen, J. F., K. Xu, et al. (2001). "Neuroprotection by caffeine and A(2A) adenosine receptor inactivation in a model of Parkinson's disease." J Neurosci 21(10): RC143.
↑	C13	Cooper, P. R., N. J. Nowak, et al. (1998). "Transcript mapping of the human chromosome 11q12-q13.1 gene-rich region identifies several newly described conserved genes." Genomics 49(3): 419-29.
	C14	Dear, N., K. Matena, et al. (1997). "A new subfamily of vertebrate calpains lacking a calmodulin-like domain: implications for calpain regulation and evolution." Genomics 45(1): 175-84.
	C15	Donkor, I. O. (2000). "A survey of calpain inhibitors." Curr Med Chem 7(12): 1171-88.
	C16	Driessen, B., R. Bullmann, et al. (1998). "Depression of C fiber-evoked activity by intrathecally administered reactive red 2 in rat thalamic neurons." Brain Res 796(1-2): 284-90.
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	C18	Gao, G. and Q. P. Dou (2000). "N-terminal cleavage of bax by calpain generates a potent proapoptotic 18-kDa fragment that promotes bcl-2-independent cytochrome C release and apoptotic cell death." J Cell Biochem 80(1): 53-72.
	C19	Goodall, et al. (1987) "Molecular cloning of the cDNA for rat spleen thymosin beta 10 the deduced amino acid sequence." Arch. Biophys. 256(1):402-405 GenBank Accession Number: A27266 .
	C20	Condon, et al. (1992) "Human thymosin beta 10 gene: Its characterization and nucleotide sequence." Unpublished. GenBank Accession Number: AAA36746 .
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	C24	Rosenthal, et al. (1999) "The epsins define a family of proteins that interact with components of the clathrin coat and contain a new protein module." J. Biol. Chem. 274(48):33959-33965. GenBank Accession Number: AAC78608 .
	C25	Adams, et al. (2000) "The genome sequence of Drosophila melanogaster." Science 287(5461):2185-2195. GenBank Accession Number: AAF58533 .
	C26	Wong, et al. (2000) "Cloning and analysis of the mouse Fanconi anemia group A cDNA and an overlapping penta zinc finger cDNA." Genomics 67(3):273-283. GenBank Accession Number: AAG01634 .
	C27	Strausberg, R. (2001) Direct Submission. National Institute of Health , Mammalian Gene Collection (MGC), Cancer genomics Office , National Cancer Institute. GenBank Accession Number: AAH06622 .
	C28	Strausberg, R. (2001) Direct Submission. National Institute of Health , Mammalian Gene Collection (MGC), Cancer genomics Office , National Cancer Institute. GenBank Accession Number: AAH14187 .
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	C30	Sugita, et al. "Synaptotagmin VII as a plasma membrane Ca (2+) sensor in exocytosis." Neuron 30(2):459-473. GenBank Accession Number: AAK01451 .
	C31	Sugita, et al. "Synaptotagmin VII as a plasma membrane Ca (2+) sensor in exocytosis." Neuron 30(2):459-473. GenBank Accession Number: AAK01455 .
	C32	Yoshida, S. (1998) Direct Submission. Nara Institute of Science and Technology, Department of Structural cell Biology. GenBank Accession Number: AB012917 .
	C33	Mitsui, et al (2000) "cDNA cloning and tissue-specific splicing variants of mouse hippostasin/TLSP (PRSS20) (1)." Biochim. Biophys. Acta 1494 (1-2):206-210. GenBank Accession Number: AB016227 .
	C34	Fucuda, et al.(1999) "Conserved N-terminal cysteine motif is essential for homo- and heterodimer formation of synaptotagmins III, V, VI and X." J. Biol. Chem. 274(44):31421-31427 GenBank Accession Number: AB026804 .
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MDP	C36	Osada, et al. "Isolation of full-length cDNA clones from macaque brain cDNA libraries." Unpublished. GenBank Accession Number: AB052145.
	C37	Adams, et al. (2000) "The genome sequence of Drosophila melanogaster." Science 287(5461):2185-2195. GenBank Accession Number: AE003822.
	C38	Chen, et al. (1998) "Epsin is an EH-domain-binding protein implicated in clathrin-mediated endocytosis." Nature 394(6695):793-797. GenBank Accession Number: AF018261.
	C39	Cooper, et al. (1998) "Transcript mapping of the human chromosome 11q-12-q13.1 gene-rich region identifies several newly described conserved GenBank Accession Number: AF038535 (30-JUL-1999)
	C40	Rosenthal, et al. (1999) "The epsin define a family of proteins that interact with components of the clathrin coat and contain a new protein module." J. Biol. Chem. 274(48):33959-33965. GenBank Accession Number: AF062084.
	C41	Morinaka, et al. (1999) "Epsin binds to the EH domain of POB1 and regulates receptor-mediated endocytosis." Oncogene 18(43):5915-5922. GenBank Accession Number: AF073727.
	C42	Chatterton, et al. (1999) "Expression cloning of LDLB, a gene essential for normal Golgi function and assembly of the IdlCp complex." Proc. Natl. Acad. Sci. U.S.A. 96(3):915-920. GenBank Accession Number: AF109377.
	C43	Yousef, et al. (2000) "Genomics organization, mapping, tissue expression, and hormonal regulation of trypsin-like serine protease (TLSP PRSS20), a new member of the human kallikrein gene family." Genomics 63(1):88-96. GenBank Accession Number: AF164623.
	C44	Sugita, et al. (2001) "Synaptotagmin VII as a plasma membrane Ca(2+) sensor in exocytosis." Neuron 30(2):459-473. GenBank Accession Number: AF336856.
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	C47	Carninci, et al. (1999) "High-efficiency full-length cDNA cloning." Meth. Enzymol. 303:19-44. GenBank Accession Number: AK009392.
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	C51	Mitsui, et al. (2000) "cDNA cloning and tissue-specific splicing variants of mouse hippostasin/TLSP (PRSS20) (1)." Biochim. Biophys. Acta 1494 (1-2):206-210. GenBank Accession Number: BAA36955.
	C52	Nagase, et al. (2000) "Prediction of the coding sequences of unidentified human genes XVI. The complete sequences of 150 new cDNA clones from brain which code for large protein in vitro." DNA Res. 7(1):65-73. GenBank Accession Number: BAA92619.
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	C54	Osada, et al. "Isolation of full-length cDNA clones from macaque brain cDNA libraries." Unpublished. GenBank Accession Number: BAB18999.
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	C56	Carninci, et al. (1999) "High efficiency full-length cDNA cloning." Meth. Enzymol. 303:19-44. GenBank Accession Number: BAB26261.
	C57	Strausberg, R. Direct Submission. National Institute of Health, Mammalian gene Collection (MGC), cancer Genomics Office, National cancer Institute. GenBank Accession Number: BC006622.
	C58	Strausberg, R. Direct Submission. National Institute of Health, Mammalian gene Collection (MGC), cancer Genomics Office, National cancer Institute. GenBank Accession Number: BC014187.
	C59	Strausberg, R. Direct Submission. National Institute of Health, Mammalian gene Collection (MGC), cancer Genomics Office, National cancer Institute. GenBank Accession Number: BC014830.
MDP	C60	Blum, et al. (1999) Direct Submission. GenBank Accession Number: CAB61412.



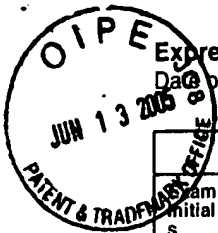
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MDP	C61	Wood, et a. (2000) "The genome sequence of Schizosaccharomyces pombe." Nature 415(6874):871-880. GenBank Accession Number: CAB76033.
	C62	Dear, et al. (2000) "Gene strcture, chromosomal localization, and expression pattern of capn12, a new member of calpain large subunit gene family." Genomics 68(2):152-160. GenBank Accession Number: CAC10066.
	C63	Dear, et al. (2000) "Gene strcture, chromosomal localization, and expression pattern of capn12, a new member of calpain large subunit gene family." Genomics 68(2):152-160. GenBank Accession Number: CAC10067.
	C64	Dear, et al. (2000) "Gene strcture, chromosomal localization, and expression pattern of capn12, a new member of calpain large subunit gene family." Genomics 68(2):152-160. GenBank Accession Number: CAC10068.
	C65	Goodall, et al. (1985) "Sequence of cloned 523-bp cDNA for thymosin beta 4." Arch. Biochem. Biophys. 236(1):445-447. GenBank Accession Number: I52084.
	C66	Zheng, et al. (1993)"Cloning and characterization and distinct human extracellular signal regulated kinase, MEK1 and MEK2." J. Biol. Chem. 268:11435-11439. GenBank Accession Number: L11285.
	C67	Stipp, et al. (1994) "Cerebroglycan: An integtal membrane heparansulfate proteoglycan that is unique to the developing nervous system and expressed specifically during neuronal differentiation." J. cell Biol. 124:149-160. GenBank Accession Number: L20468.
	C68	Hall, et al. (1990) "Thymosin beta 10levels in developing human brain its regulation by retinoic acid in the HTB-10 neuroblastoma ." Brain Res. Mol. Brain Res. 8(2):129-135. GenBank Accession Number: M92381.
	C69	Condon, et al. (1992)"Human thymosin beta 10 gene: Its characterization and nucleotide sequence." Unpublished. GenBank Accession Number: M92383.
	C70	Ayyanathan, et al. (1996) "Cloning and chromosomal localization of the humaP2Y1purinoceptor." Biochem. Biophys. Res. Commun. 218(3):783-788. GenBank Accession Number: NP_002554.
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	C78	Chatterton, et al. (1999)"Expression cloning of LDLB, a gene essential for normal Golgi function and assembly of the IdlCp complex." Proc. Natl. Acad. Sci. U.S.A. 96(3):915-920. GenBank Accession Number: NP_038609.
	C79	Fucuda, et al. (1999)"Conserved N-terminal cystein motif is essential for homo-and heterodimer formation of synaptotagmins III, V, VI and X." J. Biol. Chem. 274(944):31431-31427. GenBank Accession Number: NP_061271.
	C80	Carninci, et al. (2000)"Normalization and subtraction of cap-trapper-selected cDNA to prepare full-length cDNA libraries for rapid discovery of a new genes." Genome Res. 10(10):1617-1630. GenBank Accession Number: NP_064358.
	C81	Wong, et al. (2000)"Cloning and analysis of the mouse Fanconi anemia group A cDNA and an overlapping penta zinc finger cDNA." Genomics 67(3):273-283. GenBank Accession Number: NP_065243.
MDP	C82	McCreary, et al. (1988)"Sequence of human kidney cDNA clone encoding thymosin beta 10." Biochem.



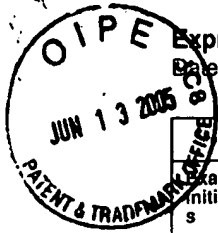
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		Biophys. Res. Commun. 152(2):862-866. GenBank Accession Number: NP_066926.
MBP	C83	Li, et al. (1995)"Ca (2+)-dependent and independent activities of neural and non-neural synaptotagmins." Nature 375(6532):594-599. GenBank Accession Number: NP_067691.
↑	C84	Dear, et al. (2000)"Gene structure, chromosomal localization, and expression pattern of capn12, a new member of the calpain large subunit gene family." Genomics 689(2):152-160. GenBank Accession Number: NP_068694.
	C85	Zeng, et al. (1993)"Cloning and characterization of two distinct human extracellular signal-regulated kinase activator kinases, MEK1 and MEK2." J. Biol. Chem. 268(15):11435-11439. GenBank Accession Number: NP_109587.
	C86	Delvin, et al. (1997) Direct Submission. GenBank Accession Number: O13776.
	C87	McCreary, et al. (1988)"Sequence of a human kidney cDNA clone encoding thymosin beta 10." Biochem. Biophys. Res. Commun. 152(2):862-866. GenBank Accession Number: P13472.
	C88	Webb, et al. (1993)"Cloning and functional expression of a brain G-protein-coupled ATP receptor." FEBS Lett. 324(2):219-225. GenBank Accession Number: P34996.
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	C90	Tokuyama, et al. (1995)"Cloning of rat and mouse P2Y purinoceptors." Biochem. Biophys. Res. Commun. 211(1):211-218. GenBank Accession Number: P49650.
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	C92	Stipp, et al. (1994)"Cerebroglycan: an integral membrane heparin sulfate proteoglycan that is unique to the developing nervous system and expressed specifically during neuronal differentiation." J. Cell Biol. 124(1-2):149-160. GenBank Accession Number: P51653.
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	C96	Ottenwaelder, B. et al. (2000). Direct Submission. GenBank Accession Number: T46395.
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	C99	Stukenberg, et al. (1997)"Systematic identification of mitotic phosphoproteins." Curr. Biol. 7(5):338-348. GenBank Accession Number: U95102.
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	C101	NCBI Annotation Project (2002). Direct Submission. National Center for Biotechnology Information. GenBank Accession Number: XP_016871.
	C102	NCBI Annotation Project (2001). Direct Submission. National Center for Biotechnology Information. GenBank Accession Number: XP_034403.
	C103	NCBI Annotation Project (2002). Direct Submission. National Center for Biotechnology Information. GenBank Accession Number: XP_040307.
	C104	NCBI Annotation Project (2001). Direct Submission. National Center for Biotechnology Information. GenBank Accession Number: XP_040308.
	C105	NCBI Annotation Project (2002). Direct Submission. National Center for Biotechnology Information. GenBank Accession Number: XP_047520.
↓	C106	Ianzano, et al. (1997)"The genomic organization of the Fanconi anemia group A (FAA) gene." Genomics 41(3):309-314. GenBank Accession Number: Z83095.
MBP	C107	Goldstein, J. L. and M. S. Brown (1973). "Familial hypercholesterolemia: identification of a defect in the regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity associated with overproduction of cholesterol." Proc Natl Acad Sci U S A 70(10): 2804-8.



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MBP ↑	C108	Goldstein, J. L., M. S. Brown, et al. (1977). "Genetics of the LDL receptor: evidence that the mutations affecting binding and internalization are allelic." <i>Cell</i> 12(3): 629-41.	
	C109	Hyman, J., H. Chen, et al. (2000). "Epsin 1 undergoes nucleocytoplasmic shuttling and its eps15 interactor NH(2)-terminal homology (ENTH) domain, structurally similar to Armadillo and HEAT repeats, interacts with the transcription factor promyelocytic leukemia Zn(2)+ finger protein (PLZF)." <i>J Cell Biol</i> 149(3): 537-46.	
	C110	Jones, N. C., Y. V. Fedorov, et al. (2001). "ERK1/2 is required for myoblast proliferation but is dispensable for muscle gene expression and cell fusion." <i>J Cell Physiol</i> 186(1): 104-15.	
	C111	Lacasa, D., E. Garcia, et al. (1997). "Site-related specificities of the control by androgenic status of adipogenesis and mitogen-activated protein kinase cascade/c-fos signaling pathways in rat preadipocytes." <i>Endocrinology</i> 138(8): 3181-6.	
	C112	Leipner, J. and R. Saller (2000). "Systemic enzyme therapy in oncology: effect and mode of action." <i>Drugs</i> 59(4): 769-80.	
	C113	Li, C., B. Ullrich, et al. (1995). "Ca(2+)-dependent and -independent activities of neural and non-neural synaptotagmins." <i>Nature</i> 375(6532): 594-9.	
	C114	Liu, D. M., C. Katnik, et al. (2000). "P2Y purinoceptor activation mobilizes intracellular Ca ²⁺ and induces a membrane current in rat intracardiac neurones." <i>J Physiol</i> 526 Pt 2: 287-98.	
	C115	Liu, K., L. Li, et al. (2000). "Antisense RNA-mediated deficiency of the calpain protease, nCL-4, in NIH3T3 cells is associated with neoplastic transformation and tumorigenesis." <i>J Biol Chem</i> 275(40): 31093-8.	
	C116	Mansour, S. J., J. M. Candia, et al. (1996). "Constitutively active mitogen-activated protein kinase kinase 1 (MAPKK1) and MAPKK2 mediate similar transcriptional and morphological responses." <i>Cell Growth Differ</i> 7(2): 243-50.	
	C117	Masliah, E., M. Mallory, et al. (2001). "Altered expression of synaptic proteins occurs early during progression of Alzheimer's disease." <i>Neurology</i> 56(1): 127-9.	
	C118	Mishra, S. K., N. R. Agostinelli, et al. (2001). "Clathrin- and AP-2-binding sites in HIP1 uncover a general assembly role for endocytic accessory proteins." <i>J Biol Chem</i> 276(49): 46230-6.	
	C119	Moriguchi, T., Y. Gotoh, et al. (1995). "Activation of two isoforms of mitogen-activated protein kinase kinase in response to epidermal growth factor and nerve growth factor." <i>Eur J Biochem</i> 234(1): 32-8.	
	C120	Nagy, P. V., T. Feher, et al. (2000). "Apoptosis of murine thymocytes induced by extracellular ATP is dose- and cytosolic pH-dependent." <i>Immunol Lett</i> 72(1): 23-30.	
	C121	Ongini, E., A. Monopoli, et al. (2001). "Selective adenosine A _{2A} receptor antagonists." <i>Farmacologia</i> 56(1-2): 87-90.	
	C122	Osman, A. A., J. Hancock, et al. (2001). "Exercise training increases ERK2 activity in skeletal muscle of obese Zucker rats." <i>J Appl Physiol</i> 90(2): 454-60.	
	C123	Perin, M. S., V. A. Fried, et al. (1990). "Phospholipid binding by a synaptic vesicle protein homologous to the regulatory region of protein kinase C." <i>Nature</i> 345(6272): 260-3.	
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Examiner Signature	<i>Michael Park</i>	Date Considered	8/15/05
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